

Teknipure®

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MicroClean™ Cleanroom Wipers

Microfiber Woven/Knit Sealed Edge

MicroClean™ wipers are made in cleanroom conditions from a **woven or knit 80% Polyester / 20% Nylon microfiber** material with a sealed edge and offer softness, durability and excellent cleaning capabilities, capturing smallest particles and fibers and retaining them inside the wiper.

Available dry (MicroClean™) and presaturated with 100% Semiconductor-Grade IPA (MicroClean™ Presat).

Applications:

- Wiping and streak-free cleaning of sensitive surfaces and parts, such as lenses, sensors and other optics
- Removal of fingerprints and oily substances from surfaces
- Applying and removing solvents and solutions including disinfectants, lubricants, adhesives, removing residues

Features and Benefits:

- Soft and durable microfiber material is ideal for streak-free cleaning of sensitive surfaces in cleanroom environments
- Excellent chemical compatibility with a variety of cleaning and disinfecting solutions
- The sealed edge wipers provide low levels of particles and fibers and are suitable for use in most critical cleanroom environments
- Durable and abrasion resistant wiper that will not easily break up particles and fibers during use
- MicroClean Presat products are pre-saturated with Semiconductor-Grade IPA, meeting stringent standards for critical environments
- The IPA used for pre-saturation, is 0.2 m filtered for additional contamination control
- Sterile products are validated to a sterility assurance level of 10^{-6} according to AAMI guidelines

Storage Conditions:

- Store at ambient conditions (59°F (15°C) - 86°F (30°C))



Slider Flat bag

Flat bag

Industries:

- Medical Device / Optics
- Semiconductor / Microelectronics
- Pharmaceutical / Biologics
- Laboratories / Academia
- Aerospace / Defense
- USP <797> / USP <800>

Cleanroom Environment:

- ISO Class 2 – 7 (Grades A-D)
- Class <1 – 10,000

Shelf Life:

- Dry Non-Sterile – 5 years from date of manufacture
- All Presaturated and Sterile – 3 years from date of manufacture



Microfiber material structure
Enhanced cleaning capabilities, capturing the smallest particles and fibers and retaining them inside the material



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MicroClean™		
Part Number	Description	Packaging
TC2MFU1-99	Microfiber Knit Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm)	100/Pack (2 bags of 50), 10 Packs/case, Total 1000 wipes/case
TC2MFUW-44	Microfiber Woven Wiper with Sealed Edge, 4"x4" (10 cm x 10 cm)	400 wipes/bag, 20 bags/case, Total 8000 wipes/case
TC2MFUW-66	Microfiber Woven Wiper with Sealed Edge, 6"x6" (15 cm x 15 cm)	150 wipes/bag, 20 bags/case, Total 3000 wipes/case
TC2MFUW-99	Microfiber Woven Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm)	100 wipes/bag, 20 bags/case, Total 2000 wipes/case
TC2MFUW-12	Microfiber Woven Wiper with Sealed Edge, 12"x12" (30 cm x 30 cm)	100 wipes/bag, 10 bags/case, Total 1000 wipes/case
TC2MFW-99	Microfiber Woven Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm)	100 wipes/bag, 10 bags/case, Total 1000 wipes/case
TC2MFW-12	Microfiber Woven Wiper with Sealed Edge, 12"x12" (30 cm x 30 cm)	100 wipes/bag, 10 bags/case, Total 1000 wipes/case
TC2MFBW-3945	Microfiber Woven Wiper with Sealed Border, 39"x45" (99 cm x 114 cm)	2 wipes/bag, 50 bags/case, Total 100 wipes/case
TC2MFBW-3843	Microfiber Woven Wiper with Sealed Border, 38"x43" (97 cm x 109 cm)	2 wipes/bag, 50 bags/case, Total 100 wipes/case
TC2MFUW-99S	Sterile Microfiber Woven Wiper with Sealed Edge, 9"x9" (23 cm x 23 cm)	25 wipes/bag, 4 bags/pack, 10 packs/case, Total 1000 wipers/case

MicroClean™ Presat		
Part Number	Description	Packaging
TS2MWI100Z-99	Microfiber Woven Wiper with Sealed Edge Presaturated with 100% IPA, 9" x 9" (23 cm x 23 cm)	100/slider flat bag, 10 bags/case, Total 1000 wipes/case

Performance Characteristics	Typical Value	Test Method
Particles and Fibers		
LPC >0.50 µm	8 x 10 ⁶ particles/m ²	IEST-RP-CC004.4, Section 7.2.1
Fibers >100 µm	450 fibers/m ²	IEST-RP-CC004.4, Section 7.2.2
Nonvolatile Residue		
IPA Extractant	0.07 g/m ²	IEST-RP-CC004.4
DI Water Extractant	0.015 g/m ²	
Extractable Ions		
Sodium (Na ⁺)	0.052 ppm	IEST-RP-CC004.4, Section 8.2.2
Potassium(K ⁺)	0.018 ppm	
Chloride (Cl ⁻)	0.028 ppm	
Physical Characteristics		
Material	80% Polyester/20% Nylon	ASTM D3776
Basis Weight	167 g/m ²	
Absorbency		
Sorptive Capacity	300 ml/m ²	IEST-RP-CC004.4, Section 9.1
Sorptive Rate	0.4 second	